

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN007020.D
 Acq On : 08 Aug 2019 11:41
 Operator : HP/JU
 Sample : K3893-13DL 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP17DL

Manual Integrations
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 8/9/2019 6:16:41 AM

Quant Time: Aug 08 12:52:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	8692	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	34774	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	21119	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	52897m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	35187m	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	29236m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	3049	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	8333m	0.05	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.28	128	2410	0.024	ng/ul#	88
5) 2-Methylnaphthalene	11.91	142	1825	0.024	ng/ul	100
7) Acenaphthylene	13.83	152	6309	0.052	ng/ul	94
8) Acenaphthene	14.18	153	4072	0.049	ng/ul	98
9) Fluorene	15.17	166	5539	0.055	ng/ul#	94
12) Phenanthrene	16.90	178	119541	0.709	ng/ul	99
13) Anthracene	16.99	178	27531m	0.160	ng/ul	
15) Fluoranthene	18.93	202	248869m	1.188	ng/ul	
17) Pyrene	19.29	202	197100	1.255	ng/ul	100
18) Benzo(a)anthracene	21.06	228	93077	0.602	ng/ul	95
19) Chrysene	21.11	228	98092m	0.678	ng/ul	
21) Benzo(b)fluoranthene	22.58	252	106813m	0.901	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	34419m	0.300	ng/ul	
23) Benzo(a)pyrene	23.11	252	62664	0.562	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.30	276	46514	0.387	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.31	278	12048	0.125	ng/ul#	70
26) Benzo(g,h,i)perylene	25.93	276	41075	0.407	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

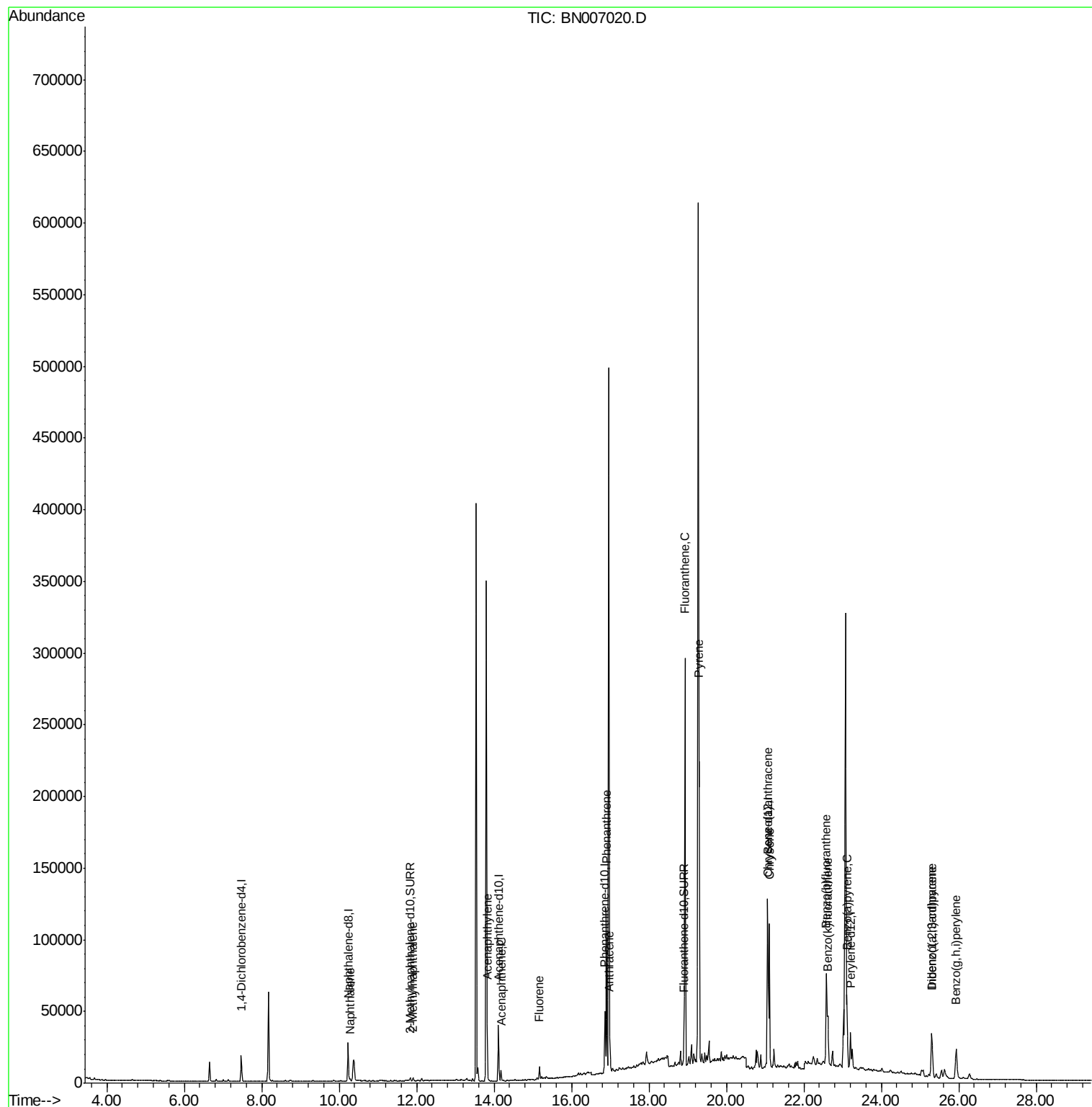
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN007020.D
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ALS Vial : 43 Sample Multiplier: 1

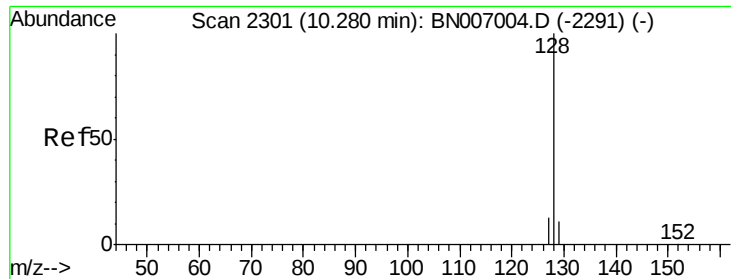
Instrument :
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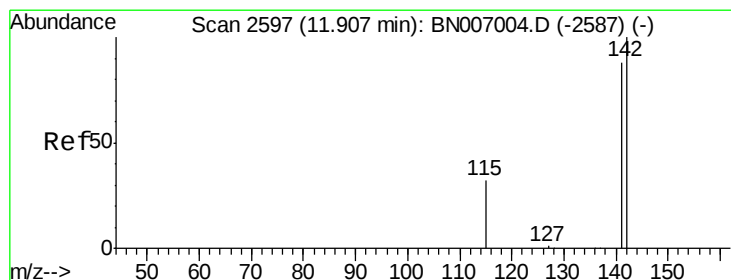
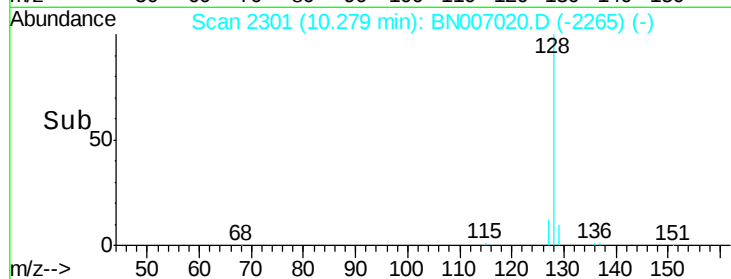
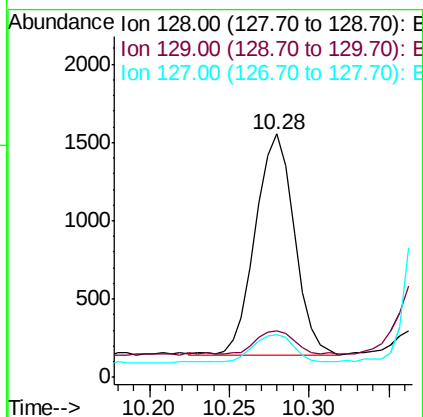
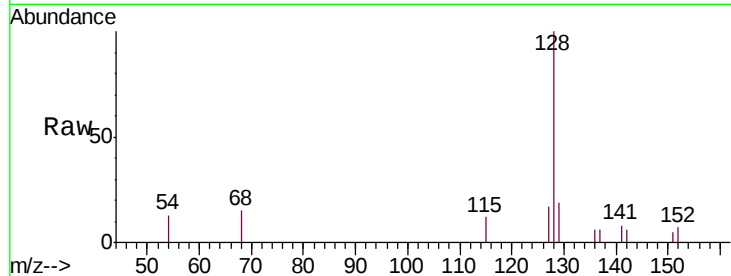
#3
Naphthalene
Concen: 0.024 ng/ul
RT: 10.28 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BN007020.D
Acq: 08 Aug 2019 11:41

Instrument :
BNA_N
ClientSampleId :
BEP17DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	19.2	10.0	15.0#
127	17.4	11.7	17.5

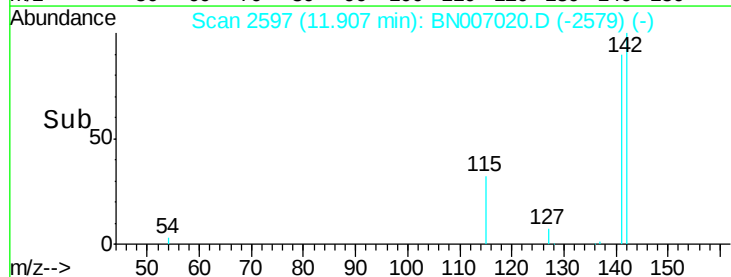
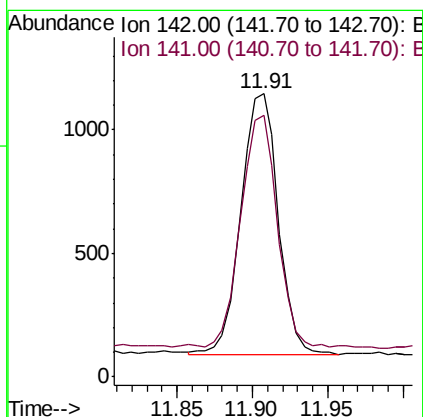
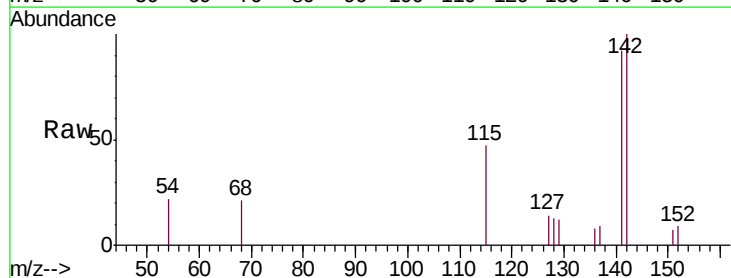
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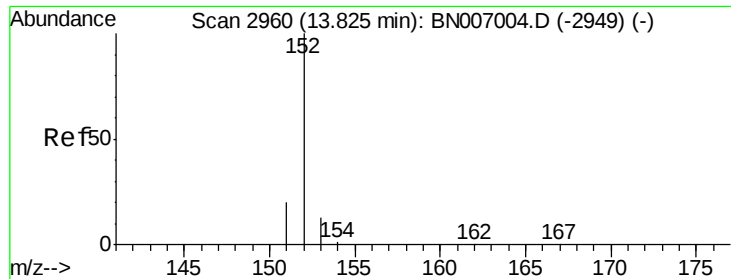
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#5
2-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 11.91 min Scan# 2597
Delta R.T. 0.00 min
Lab File: BN007020.D
Acq: 08 Aug 2019 11:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.6





#7

Acenaphthylene

Concen: 0.052 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. 0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Instrument :

BNA_N

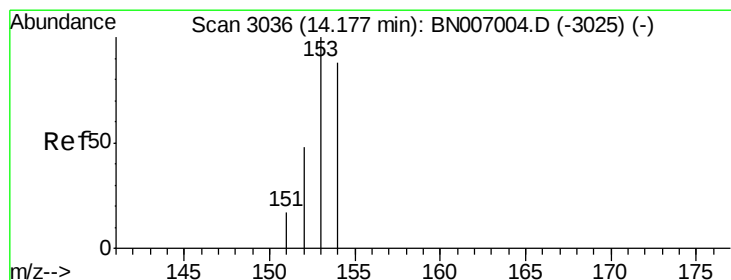
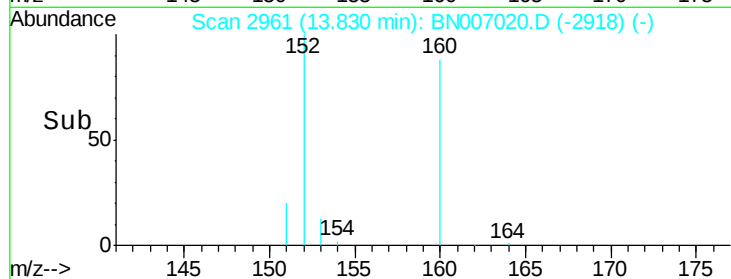
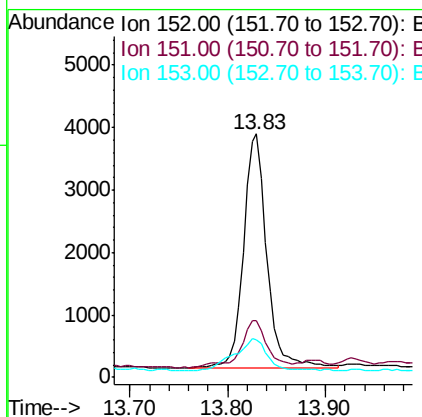
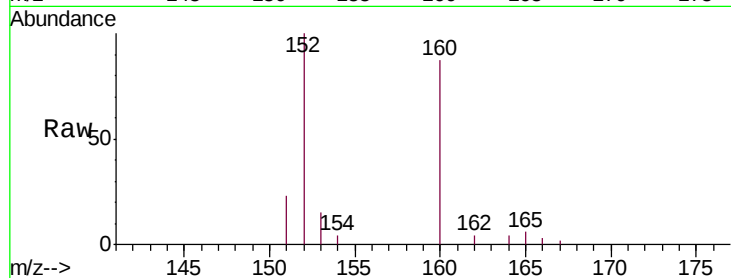
ClientSampled :

BEP17DL

Tgt Ion:	152	Resp:	6309
Ion Ratio	Lower	Upper	
152	100		
151	23.5	16.3	24.5
153	15.4	11.0	16.4

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#8

Acenaphthene

Concen: 0.049 ng/ul

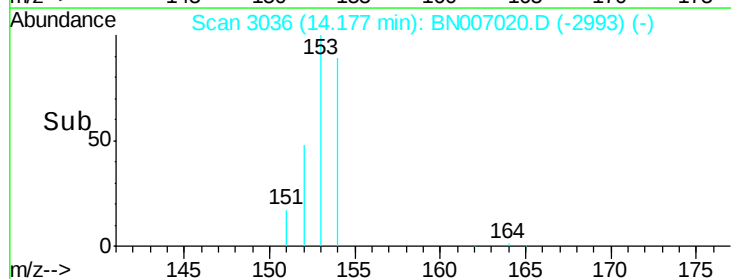
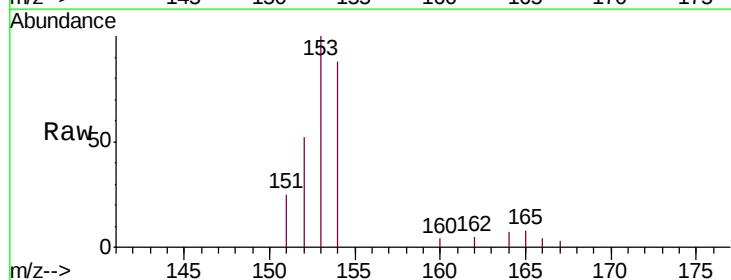
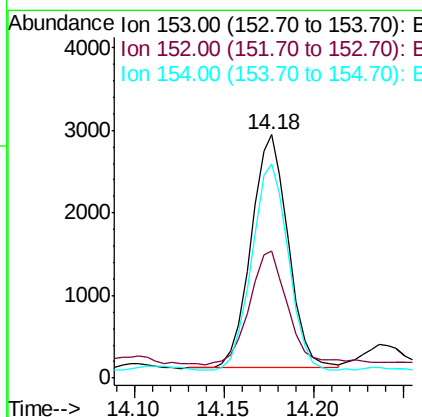
RT: 14.18 min Scan# 3036

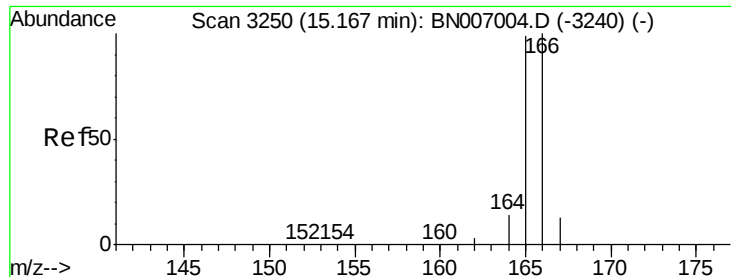
Delta R.T. 0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Tgt Ion:	153	Resp:	4072
Ion Ratio	Lower	Upper	
153	100		
152	52.3	39.4	59.2
154	88.1	70.1	105.1





#9

Fluorene

Concen: 0.055 ng/ul

RT: 15.17 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Instrument :

BNA_N

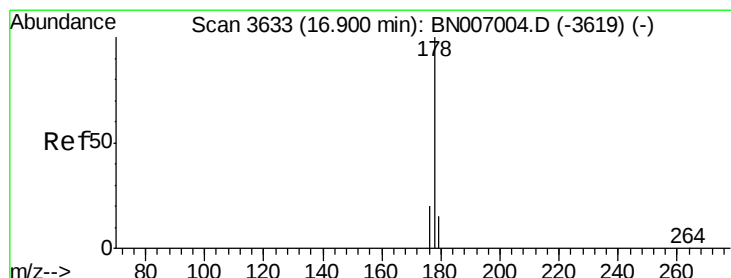
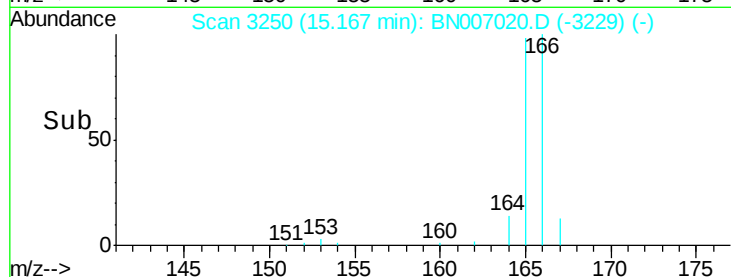
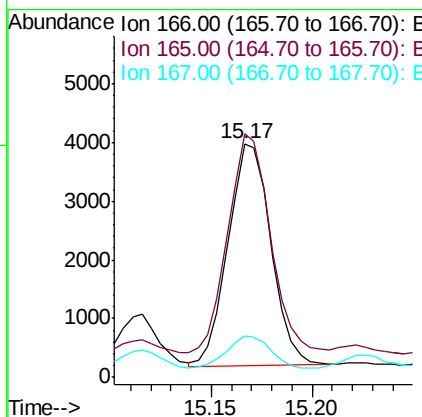
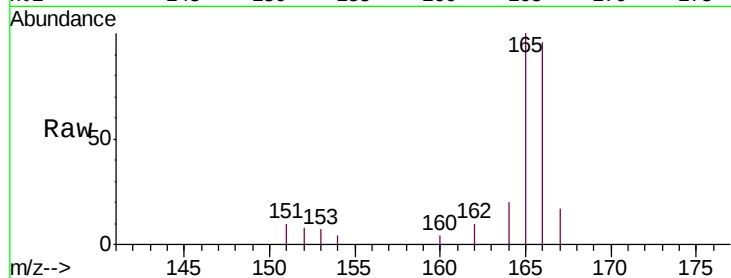
ClientSampleId :

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Tgt Ion:	166	Resp:	5539
Ion Ratio	Lower	Upper	
166	100		
165	104.2	78.8	118.2
167	17.7	11.3	16.9#

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#12

Phenanthrene

Concen: 0.709 ng/ul

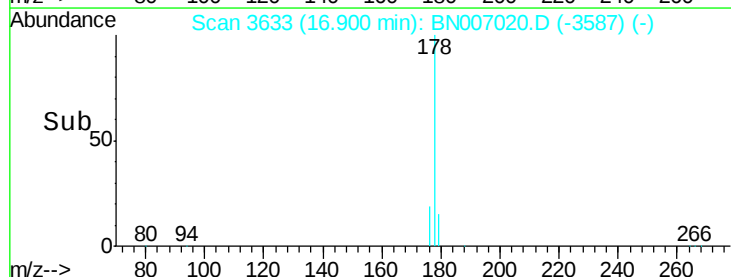
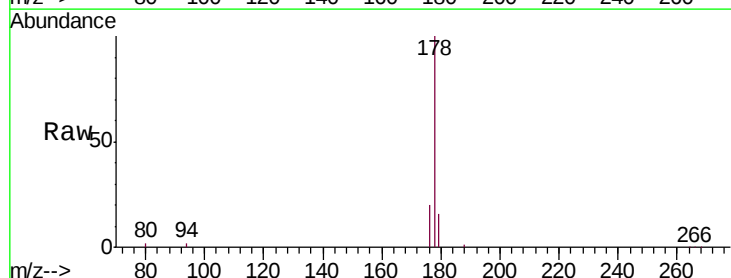
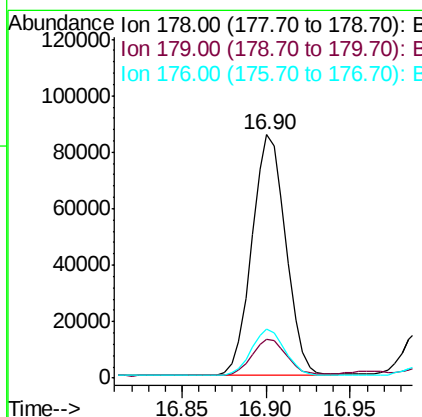
RT: 16.90 min Scan# 3633

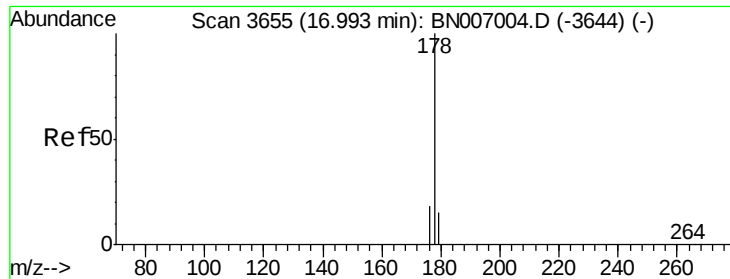
Delta R.T. -0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Tgt Ion:	178	Resp:	119541
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.5	18.7
176	20.2	15.6	23.4





#13

Anthracene

Concen: 0.160 ng/ul m

RT: 16.99 min Scan# 3655

Delta R.T. 0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Instrument :

BNA_N

ClientSampled :

BEP17DL

Tgt Ion:178 Resp: 27531

Ion Ratio Lower Upper

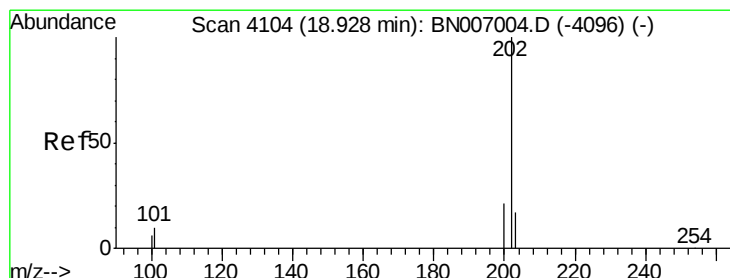
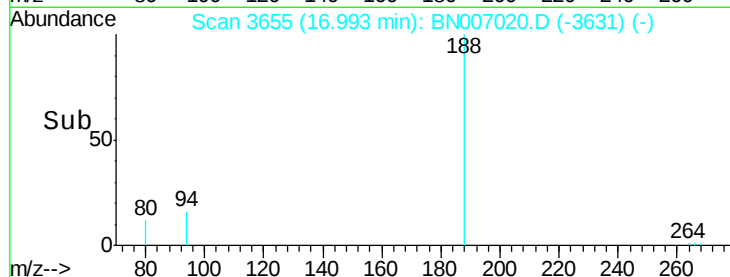
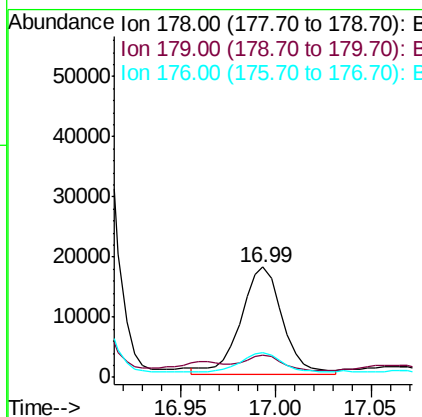
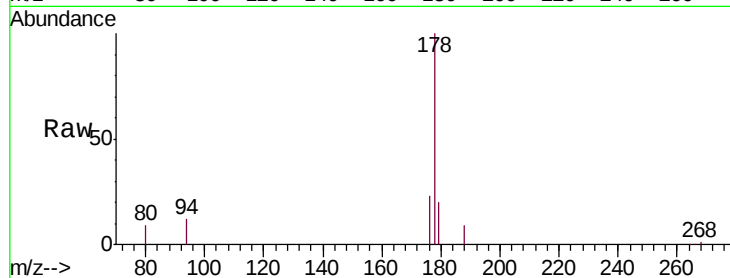
178 100

179 19.9 12.6 18.8#

176 22.5 15.4 23.0

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#15

Fluoranthene

Concen: 1.188 ng/ul m

RT: 18.93 min Scan# 4105

Delta R.T. 0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

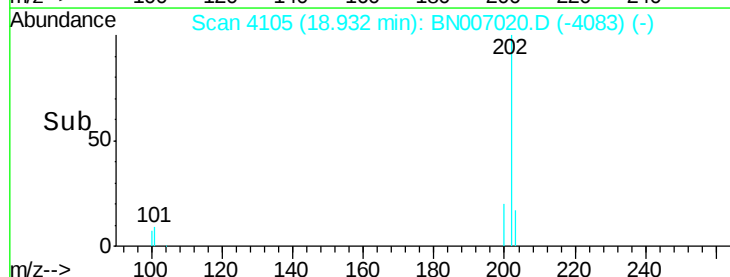
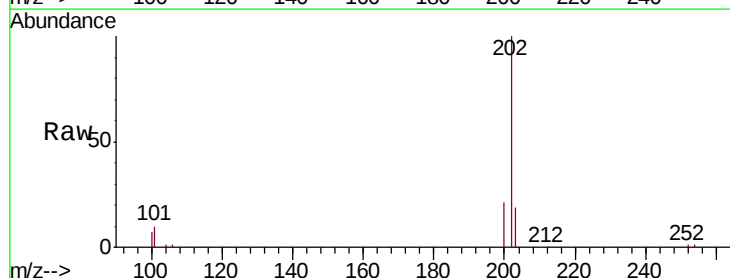
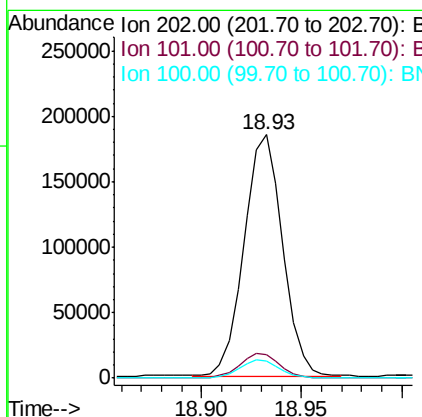
Tgt Ion:202 Resp: 248869

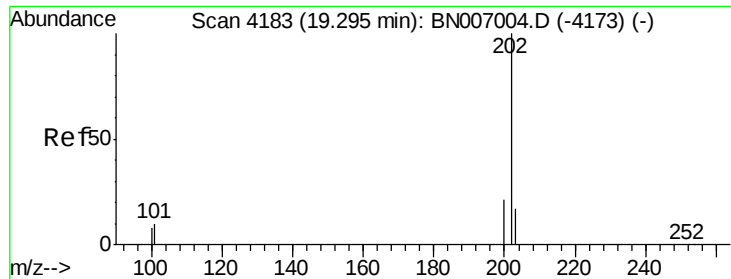
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.0

100 7.0 0.0 27.7





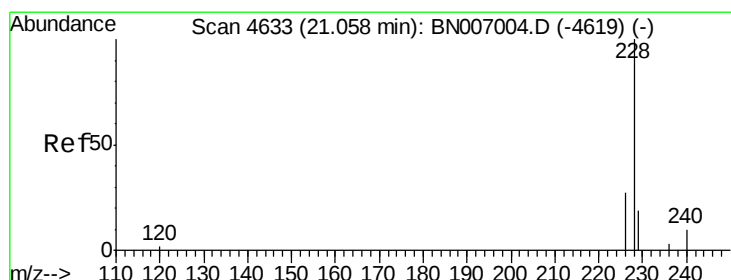
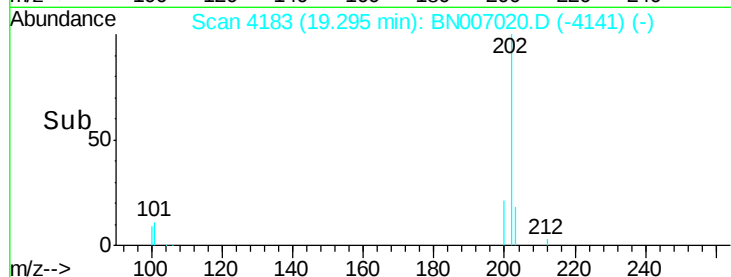
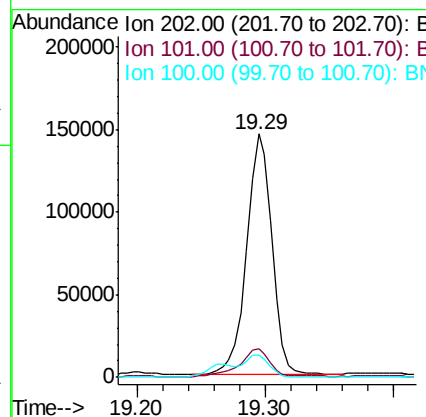
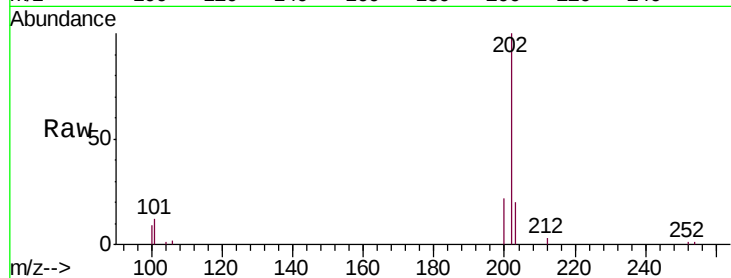
#17
Pyrene
Concen: 1.255 ng/ul
RT: 19.29 min Scan# 4183
Delta R.T. -0.00 min
Lab File: BN007020.D
Acq: 08 Aug 2019 11:41

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	9.3	13.9
100	9.2	7.3	10.9

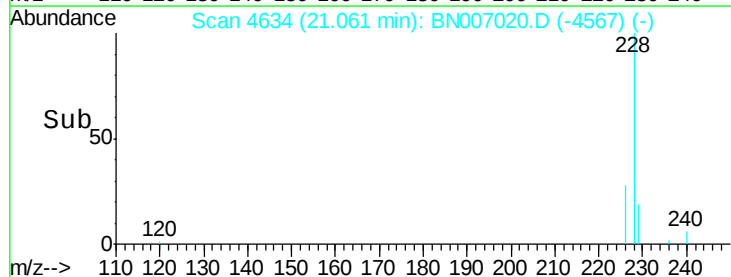
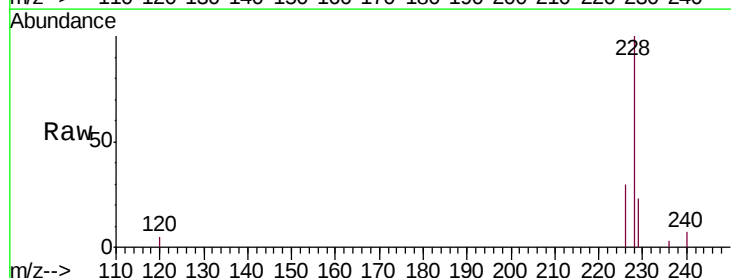
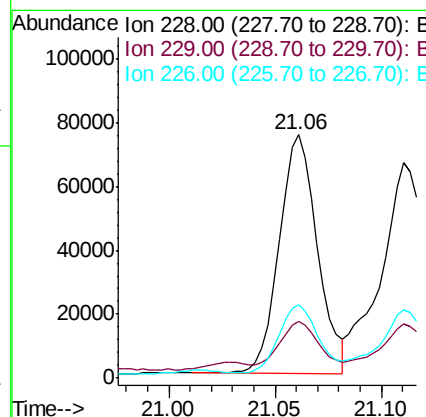
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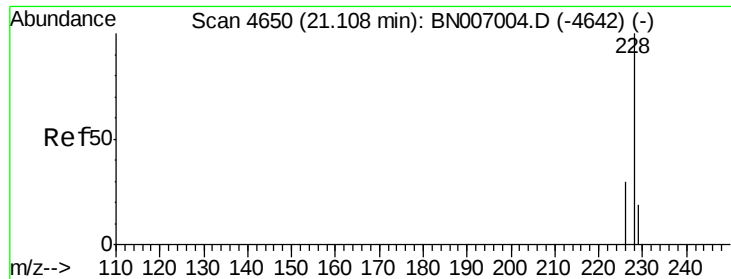
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#18
Benzo(a)anthracene
Concen: 0.602 ng/ul
RT: 21.06 min Scan# 4634
Delta R.T. -0.00 min
Lab File: BN007020.D
Acq: 08 Aug 2019 11:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.2	15.9	23.9
226	30.0	22.2	33.4





#19

Chrysene

Concen: 0.678 ng/ul m

RT: 21.11 min Scan# 4651

Delta R.T. -0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Instrument :

BNA_N

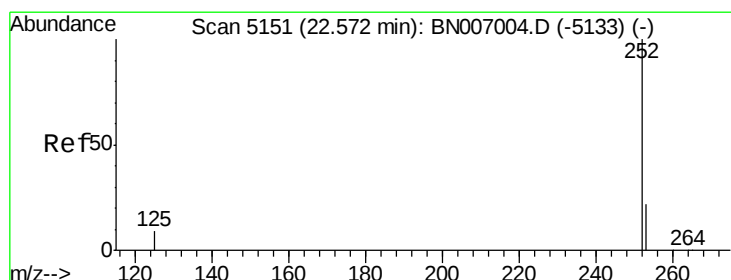
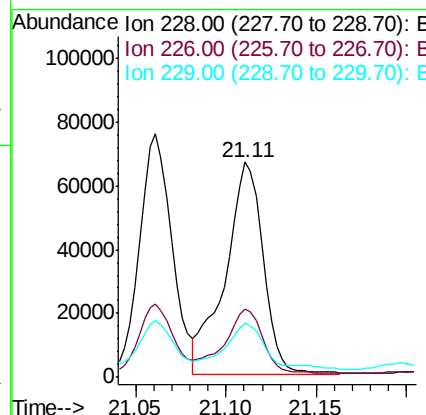
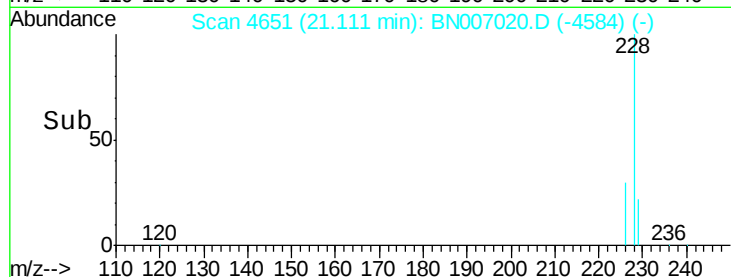
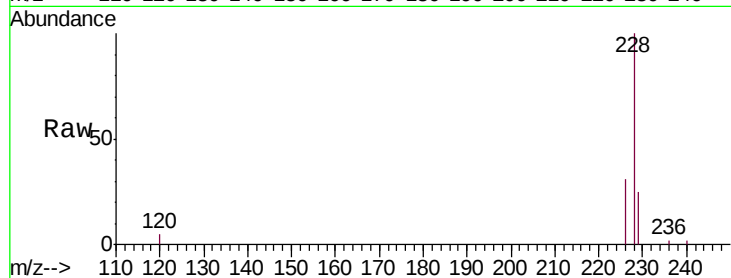
ClientSampled :

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Tgt Ion:	228	Resp:	98092
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.7	37.1
229	25.5	15.5	23.3#

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#21

Benzo(b)fluoranthene

Concen: 0.901 ng/ul m

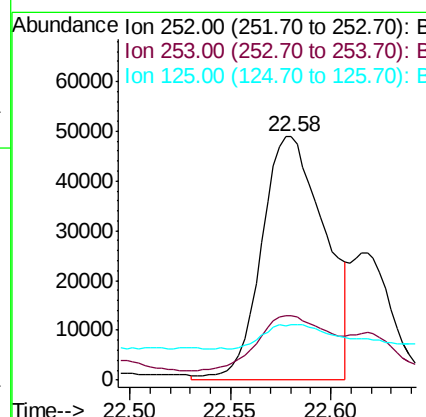
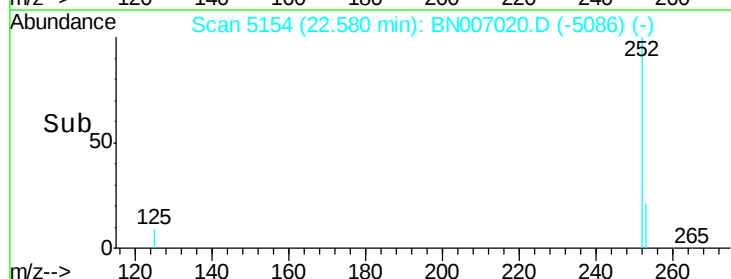
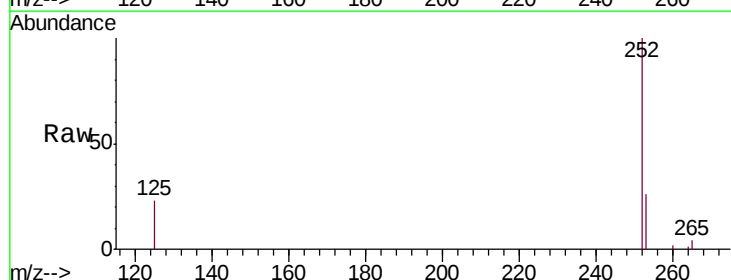
RT: 22.58 min Scan# 5154

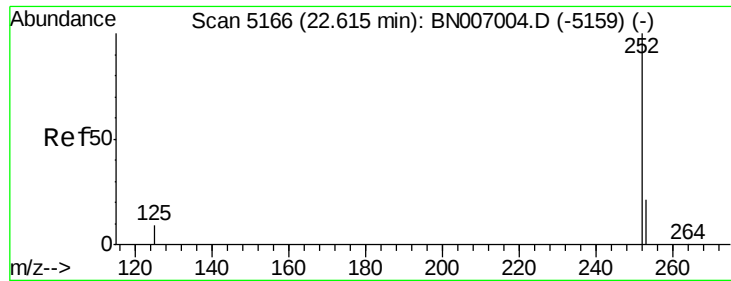
Delta R.T. 0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Tgt Ion:	252	Resp:	106813
Ion Ratio	Lower	Upper	
252	100		
253	26.4	0.0	45.2
125	22.8	0.0	22.2#





#22

Benzo(k)fluoranthene

Concen: 0.300 ng/ul m

RT: 22.62 min Scan# 5167

Delta R.T. -0.01 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Instrument :

BNA_N

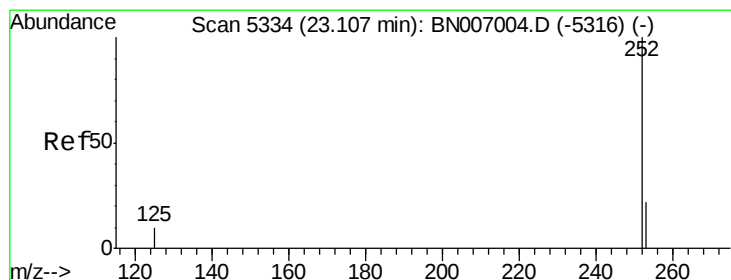
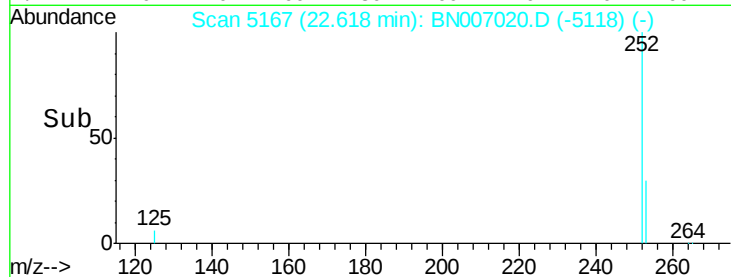
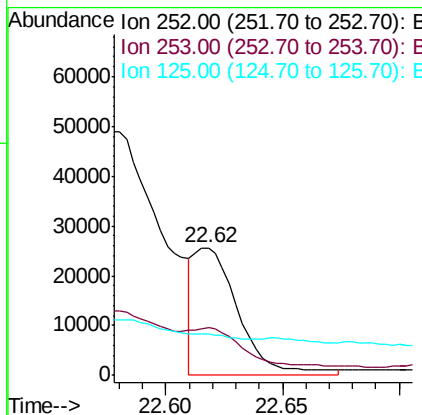
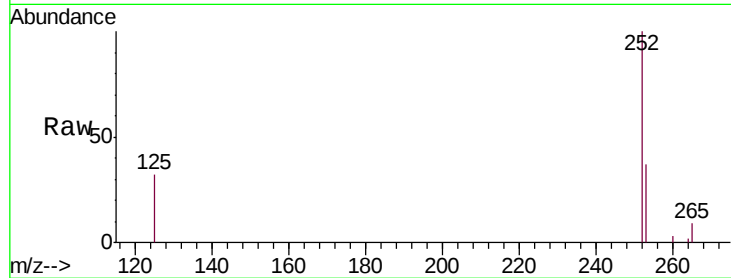
ClientSampleId :

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Tgt Ion:	252	Resp:	34419
Ion Ratio	Lower	Upper	
252	100		
253	37.3	18.6	28.0#
125	32.2	8.7	13.1#

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#23

Benzo(a)pyrene

Concen: 0.562 ng/ul

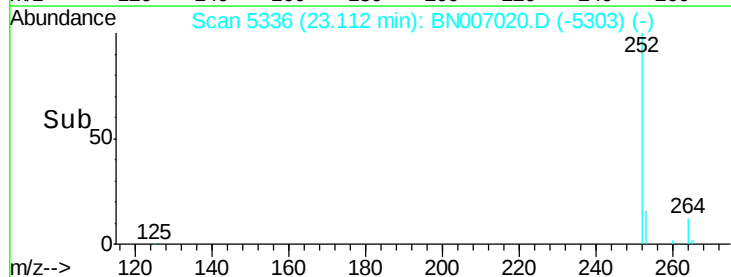
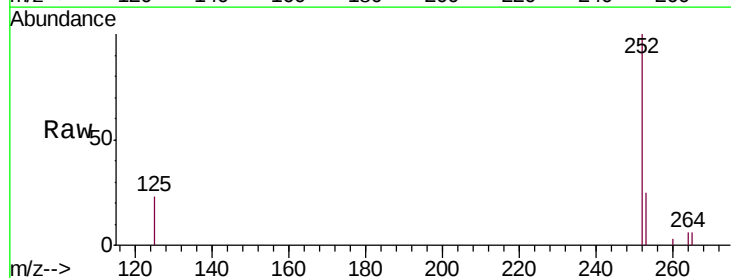
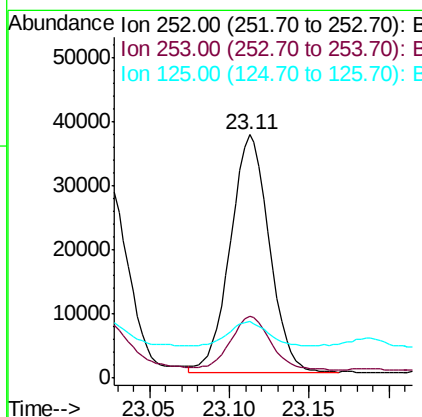
RT: 23.11 min Scan# 5336

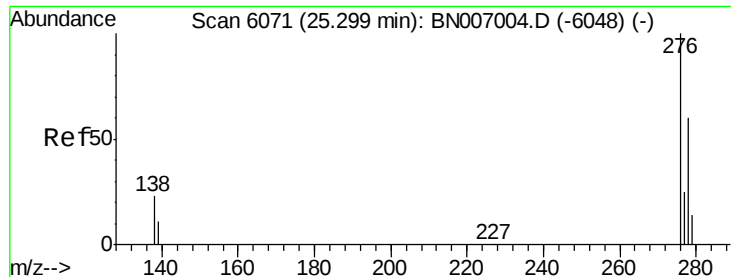
Delta R.T. -0.00 min

Lab File: BN007020.D

Acq: 08 Aug 2019 11:41

Tgt Ion:	252	Resp:	62664
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.0	27.0
125	23.1	10.0	15.0#





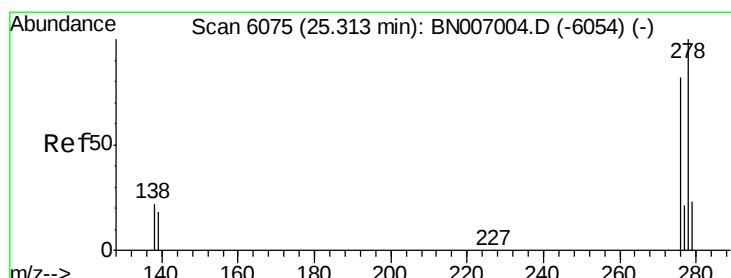
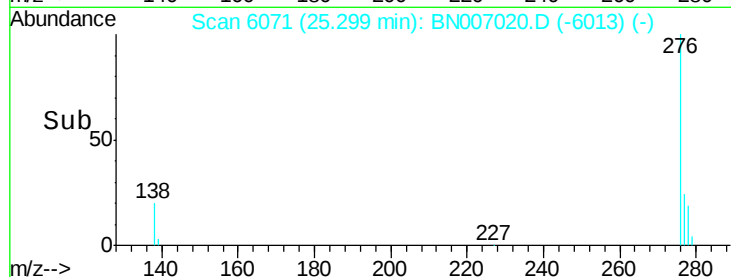
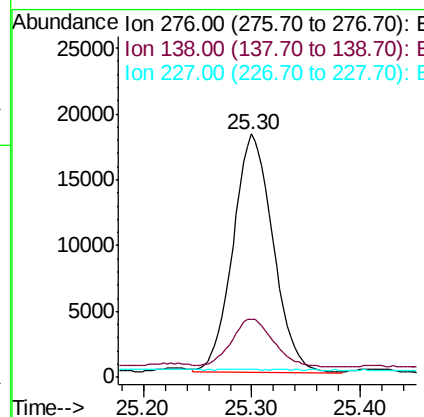
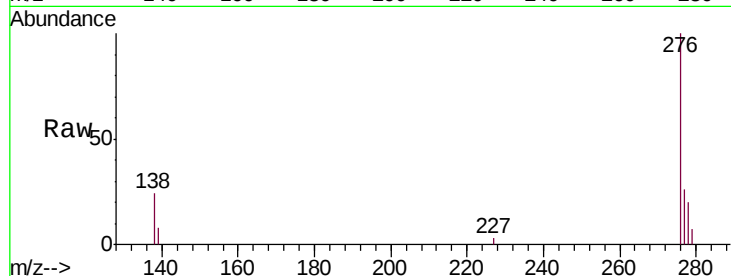
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.387 ng/ul
 RT: 25.30 min Scan# 6071
 Delta R.T. -0.01 min
 Lab File: BN007020.D
 Acq: 08 Aug 2019 11:41

Instrument :
 BNA_N
 ClientSampleId :
 BEP17DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	46514		
138	21.5	19.9	29.9	
227	0.1	0.2	0.4	

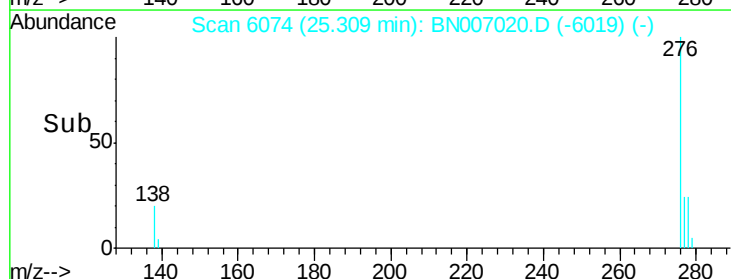
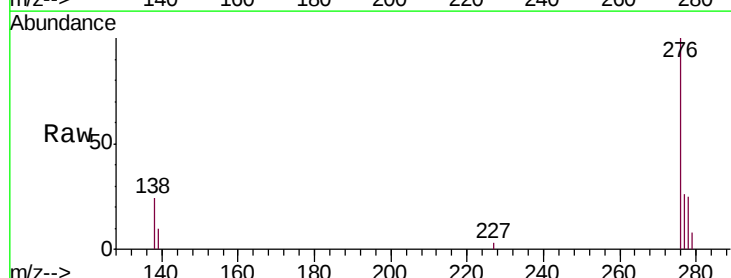
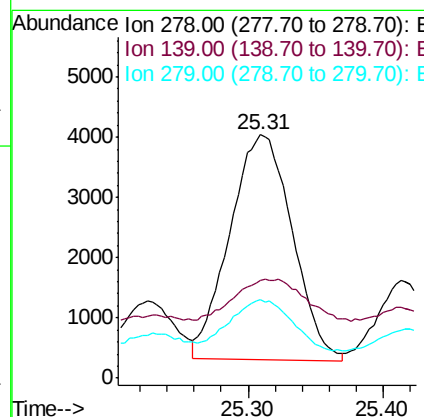
Manual Integrations
 APPROVED

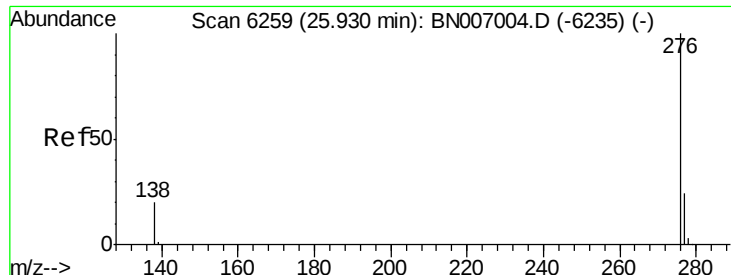
mohammad
 8/9/2019 6:16:41 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.125 ng/ul
 RT: 25.31 min Scan# 6074
 Delta R.T. -0.02 min
 Lab File: BN007020.D
 Acq: 08 Aug 2019 11:41

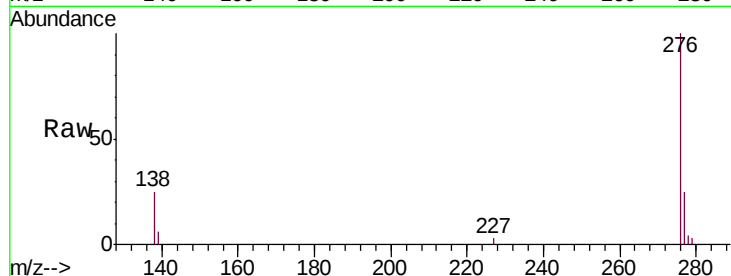
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	12048		
139	40.1	14.3	21.5	
279	32.3	19.6	29.4	





#26
Benzo(g,h,i)perylene
Concen: 0.407 ng/ul
RT: 25.93 min Scan# 6260
Delta R.T. -0.00 min
Lab File: BN007020.D
Acq: 08 Aug 2019 11:41

Instrument :
BNA_N
ClientSampleId :
BEP17DL



Tgt	Ion	276	Resp:	41075
	Ion	Ratio	Lower	Upper
	276	100		
	138	24.6	18.7	28.1
	277	25.5	19.3	28.9

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:41 AM

